

Amendment dated March 11, 2009

After Final Office Action of December 11, 2008

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A powder metallic coating material comprising a flake pigment and a resin powder, wherein

said flake pigment includes a base particle having flaky shape and a film containing a charge control agent coated on the entire surface of said base particle, and the relation between a charge value of said flake pigment and a charge value of said resin powder is defined by the following expressions (1) and (2):

$$|C_R - C_A| \leq 10 \quad \bullet \bullet \bullet \quad (1)$$

$$10 \leq |C_A| \leq 40 \quad \bullet \bullet \bullet \quad (2)$$

where C_A denotes the charge value ($\mu\text{C/g}$) of said flake pigment and C_R denotes the charge value ($\mu\text{C/g}$) of said resin powder, ~~powder and wherein said charge control agent contains a positive charge control agent or a negative charge control agent and a positive charge control agent, said negative charge control agent being one or more compounds selected from the group consisting of Azo Cr complexes, salicylic acid Al complexes, and resin charge control agents having a sulfonic acid group and said positive charge control agent being one or more compounds selected from the group consisting of Nigrosine of azine compounds, Nigrosine bases of azine compounds, Nigrosine derivatives of azine compounds, naphthenic acid metal salts, naphthenic acid quaternary ammonium salts, naphthenic acid alkylamides, higher fatty acid metal salts, quaternary ammonium salts of higher fatty acid, higher fatty acid alkylamides, and quaternary ammonium salts of resin compounds.~~

2. (Previously Presented) The powder metallic coating material according to claim 1, wherein said base particle is made of a material containing a metal.

Claims 3-7 (Cancelled)

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8. (Previously Presented) A coating obtained by applying the powder metallic coating material of claim 1 to a substrate by powder coating and thermally curing said powder metallic coating material.

9. (Previously Presented) A production method of the flake pigment of claim 1 including a base particle having flaky shape and a film containing a charge control agent coated on substantially the entire surface of said base particle, comprising the steps of:

dispersing said base particle in a good solvent for said charge control agent in which said charge control agent is dissolved; and

depositing said film on the surface of said base particle by adding a poor solvent for said charge control agent to said good solvent in which said base particle is dispersed.

10. (Previously Presented) A production method of the flake pigment of claim 1 including a base particle having flaky shape and a film containing a charge control agent coated on a surface of said base particle, comprising the steps of:

producing a mixture by mixing a polymerizable monomer and said charge control agent; and

forming a film containing a copolymer resin obtained from said mixture on the surface of said base particle.

11. (Previously Presented) The powder metallic coating material of claim 1, wherein the base particle has an average particle size of 1 to 100 μm .

12. (Previously Presented) The powder metallic coating material of claim 1, wherein the average thickness of the base particle is in the range of 0.01 to 5 μm .

13. (Previously Presented) The powder metallic coating material of claim 1, wherein the base particle is selected from the group consisting of mica, surface-colored mica, glass flakes, surface colored glass flakes, pearl, alumina flakes, colored alumina flakes, silica flakes, colored

silica flakes, iron oxide flakes, graphite flakes, hologram pigment flakes and cholesteric liquid crystalline polymers used in combination with the base particles of metal flakes.

14. (Previously Presented) The powder metallic coating material of claim 1, wherein the coating amount of the charge control agent to 100 parts by mass of the base particles in the flake pigment is 0.1 to 5.0 parts by mass.

15. (Currently Amended) A powder metallic coating material having an effective introduction ratio, a high coating brightness, and an excellent substrate hiding property with the elimination of coating spit formation which comprises flake pigment and a resin powder, wherein said flake pigment includes a base particle having flaky shape and a film containing a charge control agent coated on substantially the entire surface of said base particle, and the relation between a charge value of said flake pigment and a charge value of said resin powder is defined by the following expressions (1) and (2):

$$|C_R - C_A| \leq 10 \quad \bullet \bullet \bullet \quad (1)$$

$$10 \leq |C_A| \leq 40 \quad \bullet \bullet \bullet \quad (2)$$

where C_A denotes the charge value ($\mu\text{C/g}$) of said flake pigment and C_R denotes the charge value ($\mu\text{C/g}$) of said resin powder and wherein said charge control agent contains a positive charge control agent or a negative charge control agent and a positive charge control agent, said negative charge control agent being one or more compounds selected from the group consisting of Azo Cr complexes, salicylic acid Al complexes, and resin charge control agents having a sulfonic acid group and said positive charge control agent being one or more compounds selected from the group consisting of Nigrosine of azine compounds, Nigrosine bases of azine compounds, Nigrosine derivatives of azine compounds, naphthenic acid metal salts, naphthenic acid quaternary ammonium salts, naphthenic acid alkylamides, higher fatty acid metal salts,

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quaternary ammonium salts of higher fatty acid, higher fatty acid alkylamides, and quaternary ammonium salts of resin compounds.